

PATENT

Handwritten initials and a signature, possibly "AF", with a checkmark.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
Attorney Docket No. 15-DS-00523 DIV2-1 (01194-12483US05)

In the Application of:

Torp, et al.

Serial No.: 10/705,419

Filed: November 10, 2003

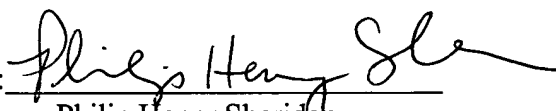
Examiner: Francis J. Jaworski

Group Art Unit: 3768

For: METHOD AND APPARATUS FOR  
PROVIDING REAL-TIME  
CALCULATION AND DISPLAY OF  
TISSUE DEFORMATION IN  
ULTRASOUND IMAGING

**CERTIFICATE MAILING**

I hereby certify that the attached paper is  
being deposited with the United States Postal  
Service as first class mail with sufficient  
postage to addressee: Mail Stop  
Amendment, Commissioner for Patents,  
P.O. Box 1450, Alexandria, VA 22313-  
1450, on February 1, 2007.

By:   
Philip Henry Sheridan  
Reg. No. 59,918

**TERMINAL DISCLAIMER UNDER 37 C.F.R. 1.321(c)**

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**Interest of Entity Making This Disclaimer**

G.E. Vingmed Ultrasound AS is the assignee of the entire interest in this application; in U.S.  
Patent No. 6,352,507 filed November 2, 1999 and issuing March 5, 2002; and in U.S. Patent No.  
6,517,485 filed January 22, 2002 and issuing February 11, 2003.

**Disclaimer**

G.E. Vingmed Ultrasound AS hereby disclaims the terminal part of any patent granted on  
the above-identified application, which would extend beyond the expiration date of U.S. Patent Nos.

6,352,507 and 6,517,485, and hereby agrees that any patent so granted on the above-identified application shall be enforceable only during such period that said patent is commonly owned with U.S. Patent Nos. 6,352,507 and 6,517,485, this agreement to run with any patent granted on the above-identified application and to be binding upon the grantee and its successors or assigns.

It is to be understood from the foregoing language that G.E. Vingmed Ultrasound AS does not disclaim any terminal part of any patent granted on the above-identified application prior to the expiration date of said U.S. Patent Nos. 6,352,507 and 6,517,485, even if the effective life of said U.S. Patent Nos. 6,352,507 and 6,517,485 is shortened by any event, subsequent or otherwise (such as, for example, failure to pay a maintenance fee, a court or Patent Office ruling, or a disclaimer by the Patentee).

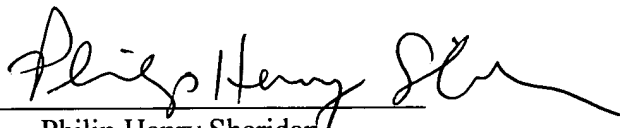
Fee Status (37 C.F.R. 1.20(d))

Please charge any fees to the deposit account of GTC, Account No. 070845.

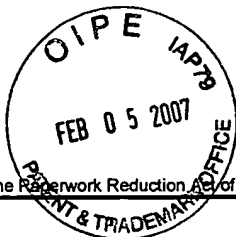
EVIDENTIARY STATEMENT

The evidentiary documents accompanying or referred to in the Terminal Disclaimer have been reviewed by the undersigned and it is certified that to the best of the assignee's knowledge and belief, title is in the assignee seeking to take action.

Date: February 1, 2007

By:   
Philip Henry Sheridan  
Reg. No. 59,918  
Agent for Applicant

McAndrews, Held & Malloy, Ltd.  
500 West Madison Street  
34th Floor  
Chicago, Illinois 60661  
(312) 775-8000



PTO/SB/96 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Hans Torp; Bjorn Olstad; Andreas Heimdal; Steinar BjaerumApplication No./Patent No.: 10/705,419 Filed/Issue Date: 11/10/03

Entitled:

G.E. VINGMED ULTRASOUND AS, a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Philip Henry Sheridan  
SignatureFebruary 1, 2007

Date

Philip Henry Sheridan

Printed or Typed Name

312-775-8000

Telephone Number

Attorney/Agent of Record  
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ASSIGNMENT

We are the joint inventors whose names and residences are listed below:

1. Hans Torp, a resident of the City of Trondheim and Country of Norway.
2. Bjorn Olstad, a resident of the City of Stathelle and Country of Norway.
3. Andreas Heimdal, a resident of the City of Trondheim and Country of Norway.
4. Steinar Bjaerum, a resident of the City of TRONDHEIM and Country of Norway.

We have jointly made an invention comprising certain new, useful, and nonobvious improvements in

METHOD AND APPARATUS FOR PROVIDING REAL-TIME CALCULATION  
AND DISPLAY OF TISSUE DEFORMATION IN ULTRASOUND IMAGING

Said invention is described or intended to be described and set forth in the patent application presently identified as **G.E. DOCKET NUMBER 15DS00523**

X which we executed on the same date(s) as we signed this assignment for the purpose of seeking Letters Patent of the United States for our invention.

which was filed on \_\_\_\_\_ as United States Application Number \_\_\_\_\_.

Whereas **G.E. Vingmed Ultrasound AS**, a corporation organized and existing under and by virtue of the laws of Norway, having a place of business at, 195, Box 141, Strand Premonaden 45, 3191 Horten, Norway, (hereinafter: "said assignee") desires to acquire the entire right, title, and interest in and to said invention, said application, and any Letters Patent which may be granted for said invention, said application, and any and all divisions, continuations, continuations-in-part, reissues, reexamination certificates, and extensions thereof.

We warrant and represent that we conceived said invention ourselves, that no one other than us is a joint inventor of said invention, and that neither we nor any of us have assigned or agreed to assign any rights in said invention or said application to anyone other than said assignee or a predecessor in interest to said assignee.

NOW, THEREFORE, in consideration of one dollar and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign to said assignee, its successors and assigns, the entire worldwide right, title, and interest in and to said invention, said application, and any Letters Patent which may be granted for said invention, said application, and any and all divisions, continuations, continuations-in-part, reissues, reexamination certificates, substitutes, and extensions of said application (each of which is included herein as a part of "said application"), including but not limited to all our United States and other national rights to said invention and said application and all our rights under the Paris Convention for the Protection of Industrial Property and all other applicable treaties or laws in respect to said invention and said application.

We hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any Letters Patent which may be granted for said invention or upon said application unto said assignee, its successors and assigns, in accordance with this assignment.

We hereby authorize said assignee to apply for patents on said invention in foreign countries, claiming the filing date of said application under the provisions of the Paris Convention for the Protection of Industrial Property and all other applicable treatise and laws, and we further agree to execute any and all documents that may be required or desired by said assignee in order that said assignee may apply for Letters Patent on said invention in foreign countries in our or its name.

We hereby agree to promptly communicate to said assignee or its representatives any facts known to us respecting said invention or said application; to testify in any legal proceeding relating thereto; to sign all lawful papers, including but not limited to all divisional, continuing, continuing-in-part, reissue, substitute, and extension applications, all rightful oaths or declarations, and documents confirming or substituting for this assignment.

---

Signed at University of Trondheim, in the County of Soer Trondelag and State of Norway, this 28th day of October, 1999

Hans Torp  
Hans Torp

STATE OF \_\_\_\_\_ )  
 ) SS.  
COUNTY OF \_\_\_\_\_ )

I, \_\_\_\_\_, a Notary Public in and for the County and State aforesaid, do hereby certify that \_\_\_\_\_ personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

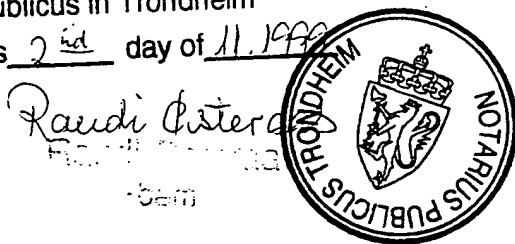
Given under my hand and notarial seal this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

\_\_\_\_\_  
Notary Public

(SEAL)

My commission expires \_\_\_\_\_

I do hereby certify that this document  
is signed by HANS GARMANN TORP  
Notarius Publicus in Trondheim  
Norway this 2nd day of 11.1999



Signed at HORTEN, in the County of NORWAY and State of \_\_\_\_\_, this 28th day of OCTOBER, 1999.

Bjorn Olstad  
Bjorn Olstad

STATE OF \_\_\_\_\_ )  
 ) SS.  
COUNTY OF \_\_\_\_\_ )

I, \_\_\_\_\_, a Notary Public in and for the County and State aforesaid, do hereby certify that \_\_\_\_\_ personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

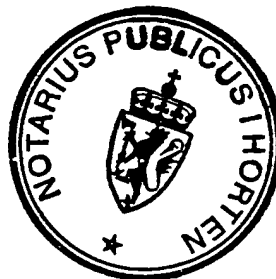
\_\_\_\_\_  
Notary Public

(SEAL)

My commission expires \_\_\_\_\_

I do hereby certify that this document is  
signed by Bjørn Olstad  
NOTARIUS PUBLICUS, HORTEN  
this 3. day of November 19 99

Harald Lund Frederiksen  
Harald Lund Frederiksen  
Notarius Publicus



Signed at NTNU, Trondheim, in the County of S-Trondelag and State of Norway, this 29th day of October, 1999.

Andreas Heimdal  
~~Bjorn Olstad~~ ANDREAS HEIMDAL

STATE OF \_\_\_\_\_ )  
 ) SS.  
COUNTY OF \_\_\_\_\_ )

I, \_\_\_\_\_, a Notary Public in and for the County and State aforesaid, do hereby certify that \_\_\_\_\_ personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

\_\_\_\_\_  
Notary Public

(SEAL)

My commission expires \_\_\_\_\_



Signed at NTNU, TRONDHEIM, in the County of S. TRONDELAG and State of NORWAY, this 28th day of OCTOBER, 1999.

Steinar Bjaerum  
Steinar Bjaerum

STATE OF \_\_\_\_\_ )  
 ) SS.  
COUNTY OF \_\_\_\_\_ )

I, \_\_\_\_\_, a Notary Public in and for the County and State aforesaid, do hereby certify that \_\_\_\_\_ personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

\_\_\_\_\_  
Notary Public

(SEAL)

My commission expires \_\_\_\_\_

I do hereby certify that this document  
is signed by STEINAR BJÆRUM  
Notarius Publicus in Trondheim  
Norway this 2<sup>nd</sup> day of 11 1999

Randi Østerås  
Notarius Publicus  
Trondheim

